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SOCIOECONOMIC MONITORING REPORT

NUMBER 13
FOURTH QUARTER REPORT
1981



Cathedral Bluffs Shale Oil Company

OCCIDENTAL OIL SHALE, INC., OPERATING PARTNER
TENNECO SHALE OIL COMPANY, PARTNER

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SOCIOECONOMIC MONITORING REPORT

Number 13

January, 1982

Prepared by:

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INTRODUCTION

In mid-1978, the Cathedral Bluffs Shale Oil Project began providing information about its work force and socioeconomic data about project area communities in northwest Colorado. This is the thirteenth monitoring report in the series.

The information on the work force presented in this report reflects current conditions as of January 1982. The work force data is collected from a questionnaire completed by employees when they start work at the Cathedral Bluffs site and updated periodically. Completed surveys are available from 89 percent of the current work force. The surveys are coded and analyzed through a computerized data base management system.

As of January 1, 1982, the Cathedral Bluffs site employed about 590 individuals. This shows a decrease of 80 employees since the October monitoring report. A total of 104, or 18 percent, of the employees at the site are employed by Occidental Oil Shale, Inc., while the other 486, or 82 percent, hold contract jobs at the site.

The C-b Project is currently pursuing a schedule which calls for reductions in construction activities at the site. The shaft development and headframe outfitting will continue to completion in September 1982. Work is now underway toward the redesign of the C-b Project, but no schedule has been set for continuation of construction beyond September. The Socioeconomic Monitoring Program will continue with the next report scheduled for issuance in mid summer 1982.

HOUSING

Location

The percentage of employees residing in Meeker increased slightly over the last quarter. As shown in Table I, the percentage of employees residing in Meeker has risen to 28 percent of the total, while the percentage living in Rifle has decreased to 49 percent. About 60 percent of employees reside in Garfield County, while 28 percent reside in Rio Blanco County, and 5 percent reside in Mesa County.

TABLE I
PLACE OF RESIDENCE

	Percentage of Employees Surveyed Residing There January 1981 (N=439)	Percentage of Employees Surveyed Residing There July 1981 (N=525)	Percentage of Employees Surveyed Residing There January 1982 (N=525)
Rifle	62	58	49
Meeker	12	18	28
Silt	6	7	6
Grand Junction Area	6	5	5
Glenwood Springs	2	2	2
New Castle	3	2	1
Parachute	2	2	2
Rangely	0	0	0
Other Western Slope	1	3	3
Piceance Creek	1	0	0
Other Colorado	1	1	1
Outside Colorado	1	0	0
Unknown	3	2	3
TOTAL	100	100	100

About 8 percent of current employees commute to the project area on a weekly basis, while 92 percent reside locally on a full time basis. Glenwood Springs has the highest percentage of weekly commuters among employees living there, while Silt has the lowest percentage. Table II indicates the percentage of weekly commuters among the entire work force, and among those who reside in the communities of Rifle, Meeker, Silt, Grand Junction, and Glenwood Springs.

TABLE II
PERCENTAGE OF EMPLOYEES RESIDING IN COMMUNITIES
FULL TIME OR WEEK DAYS ONLY

January 1982

Community	Percent Residing In Community Full Time	Percent Residing In Community Week Days Only	
Rifle	89	11	100%
Meeker	95	5	100%
Silt	100	0	100%
Grand Junction	92	8	100%
Glenwood Springs	80	20	100%
TOTAL WORK FORCE	92	8	100%

LENGTH OF RESIDENCE

Currently, 59 percent of all employees have resided locally for more than one year, while 41 percent have resided locally for less than one year, as shown in Table III. This is a higher distribution of long term residents than one year ago. Meeker, Silt, Parachute, and Grand Junction have all decreased in percentage of long term residents, while Rifle's percentage of long term residents has increased.

TABLE III

LENGTH OF RESIDENCE

Community	Per cent of Short* Term Residents	Percent of Long** Term Residents	Percent of Short* Term Residents	Percent of Long** Term Residents
Rifle	47	53	37	63
Meeker	40	60	46	54
Silt	18	82	26	74
Grand Junction	14	86	34	66
Parachute	20	80	42	58
Total Work Force	48	52	41	59

* Short Term is defined as those residing in their current home less than one year.

** Long Term is defined as those residing in their current home more than one year.

Type of Residence

CB employees live in a variety of types of housing units, as shown in Table IV. The largest percentage of the total work force resides in single family houses.

TABLE IV
TYPE OF RESIDENCE OCCUPIED BY CB EMPLOYEES

January 1982

Community	Own House	Rent House	Own Mobile Home	Rent Mobile Home	Apartment & Town-house	RV	Motel	Living With Parents	Total
Rifle	23	16	19	6	28	2	5	1	100%
Meeker	20	17	9	5	36	9	4	0	100%
Silt	26	35	12	9	12	6	0	0	100%
Parachute	25	25	8	25	0	17	0	0	100%
Grand Junction	51	5	9	9	5	13	4	4	100%
Total Work Force	24	18	15	6	26	6	4	1	100%

Residential Preference

When asked what type of housing employees preferred living in, 77 percent indicated they would prefer living in single family houses. Table V shows the housing preferences for those workers who expressed a housing preference. The percentage of workers preferring to reside in single family houses has declined slightly over the past year.

TABLE V

TYPE OF RESIDENCE PREFERRED BY CB EMPLOYEES
SHOWING HOUSING PREFERENCE
January 1982

Community	House	Mobile Home	Apartment
Rifle	76	12	13
Meeker	77	8	15
Silt	88	8	4
Parachute	91	0	9
Grand Junction	80	20	0
Total Work Force	77	11	12

Cost

The median monthly cost of housing to employees has increased for all types of housing since January 1981. The most significant increases have been for rented houses, mobile homes, and recreational vehicles. The median cost is higher for houses and mobile homes in Rifle than in Meeker, but lower for other types of housing. Table VI shows median cost for various types of housing in January 1982 and compares that cost with costs reported in January 1981 and July 1981.

CB Residential Property

Construction has been completed on drainage system improvements and on a recreational vehicle storage area in the King's Crown Mobile Home Park. Expansion of King's Crown has been postponed pending the need for additional employee housing.

TABLE VI

MEDIAN MONTHLY COST OF HOUSING TO CB EMPLOYEES

Type	Median Cost Total Work Force January 1981	Median Cost Total Work Force July 1981	Median Cost Total Work Force January 1982	Median Cost Rifle January 1982	Median Cost Meeker January 1982
Own House	\$400	\$415	\$450	\$560	\$442
Rent House	250	300	300	300	260
Mobile Home	180	210	264	265	175
Apartment	275	277	315	300	350
RV	50	135	160	125	150
Townhouse	325	350	352	350	425

Preliminary plans for development of the 113-acre Condon property, owned by CB, have been submitted to the City of Rifle for planning review.

AGE, SEX, MARITAL STATUS, AND FAMILY SIZE

Age

The median age of the total work force is 30 years. The median age of workers in various communities is shown in Table VII.

TABLE VII
MEDIAN AGE OF EMPLOYEES
JANUARY 1982

Community	Median Age
Rifle	28
Meeker	30
Silt	31
Grand Junction Area	36
Parachute	32
Total Work Force	30

Sex

Eighty-nine percent of employees are male, while eleven percent are female. This distribution has remained constant over the past year.

Marital Status

The percent of married employees living with their families and the percent of single employees has increased, while the percent of married employees living apart from their families has decreased over the last year. Parachute and the Grand Junction area have the

highest percentage of married workers with families present. Table VIII shows the percentage of workers by community according to marital status.

TABLE VIII
MARITAL STATUS OF EMPLOYEES
JANUARY 1982

Community	Percent Married and Living With Family	Percent Married But Not Living With Family Full Time	Percent Single
Rifle	51	7	42
Meeker	61	4	35
Silt	63	3	34
Grand Junction Area	73	0	27
Parachute	83	9	8
Total Work Force	56	6	38

Family Size

The average family size of all married employees is 3.2 persons, up from 2.9 persons one year ago. Table IX shows average family size of all married employees by community as they were reported in January 1981 and January 1982. Average family size has increased significantly for employees living in Meeker and decreased for employees living in Silt.

TABLE IX

AVERAGE FAMILY SIZE OF MARRIED EMPLOYEES* BY COMMUNITY

Community	January 1981	January 1982
Rifle	3.0	3.2
Meeker	2.4	3.2
Silt	3.3	3.6
Grand Junction Area	2.9	2.8
Parachute	3.7	2.8
Total Work Force	2.9	3.2

*These figures include workers who do not have families living with them full time.

Number of Children

Currently, employees have 151 preschool aged children, 158 elementary aged children, 60 junior high and 52 high school aged children living with them in the project area. This is an increase of 26 total children from January 1981, but a decrease of 64 children from July 1981. Table X shows the number of children residing with employees by community.

TABLE X
NUMBER OF SCHOOL AGE CHILDREN LIVING WITH CB EMPLOYEES
JANUARY 1982

Community	Preschool	Elementary	Junior	Senior
Rifle	64	69	27	18
Meeker	48	46	19	15
Silt	14	21	5	9
Grand Junction	9	14	1	3
Parachute	2	2	4	1
Total Work Force*	151	158	60	52

*Total includes children living in communities not mentioned above.

RECREATIONAL ACTIVITIES

Fishing, hunting, skiing, and camping activities continue to be the most popular recreational activities of the work force. Table XI shows the percentage of employees who indicated a preference for the most popular recreational activities.

TABLE XI
RECREATIONAL PREFERENCE OF EMPLOYEES SURVEYED

Activity	Percent Responding of Total Work Force	Percent Responding* in Meeker	Percent Responding* in Rifle
Fishing	33	38	38
Hunting	31	39	29
Skiing	15	11	16
Camping	9	11	8
Swimming	5	6	5
Golf	6	6	5
Motorcycling	3	3	3
Horseback Riding	2	4	2
Softball	2	2	2
All Sports	6	5	6

*Percentage does not total to 100 due to multiple responses.

CHILD CARE

Of the total CB work force, 95 percent answered that they had adequate child care facilities available to them.

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(June 1984)

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